

1. (Currently amended) A method of decreasing human immunodeficiency virus entry into cells, the method comprising decreasing levels of functional CD63 present within the human immunodeficiency virus and the cells by exposing the CD63 to an antibody which is an inhibitor of the functional CD63.

2-3. (Canceled)

4. The method of claim 1 wherein the cells are macrophages.

5. A method of treating human immunodeficiency virus infection in a subject, the method comprising administering to the subject an amount of a compound effective to decrease levels of functional CD63 in cells of the subject, wherein the compound is an antibody which inhibits the functional CD63.

6-10. (Canceled)